

Title (en)

Apparatus for inserting a catheter.

Title (de)

Gerät zum Einführen eines Katheters.

Title (fr)

Dispositif pour l'introduction d'un cathéter.

Publication

EP 0125843 A2 19841121 (EN)

Application

EP 84303005 A 19840503

Priority

US 49125783 A 19830503

Abstract (en)

The skin and a subjacent body vessel (68) is pierced with a needle (16) mounted on a fluid-fillable chamber (12) at the opposite end of which is a plunger (14) movable into the chamber. In one embodiment, disposed within the needle and chamber is a closed-ended flexible catheter (20). A flexible stylet (22) is disposed in the catheter. The catheter is drawn through the needle and into the body vessel by pushing into the chamber the plunger which engages the distal portion (54) of the stylet. The closed-ended pliable catheter is drawn into place in the body vessel by the pushing stylet while fluid is simultaneously infused into the body vessel to dilate it and thereby ease the advancement of the catheter with minimal damage to the vessel wall. The chamber (12) and needle (16) are removable from the catheter (20), leaving it in place in the body for the infusion of fluid. The another embodiment a stiffer, open-ended catheter is used and the plunger pushes directly against the catheter to push it into the body vessel.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

FR2645750A1; AU690205B2; EP0366336A1; GB2503668A; GB2503668B; WO2005037651A2; WO8803035A3; US9918907B2; US10065020B2; US9889277B2; US10549074B2; WO9621487A1; WO2020114861A1

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